Environmental Consultants
434 7th Street, Suite B
Eureka, CA 95501
707.476.1590
FAX 707 476.1589
www.scsengineers.com

SCS ENGINEERS

Results of the First Quarter 2005 Groundwater Monitoring and Sampling Event

Schmidbauer Lumber, Inc.
1099 Waterfront Drive
Eureka, California

File Number 01203316.00

Prepared by:

SCS Engineers
3645 Westwind Boulevard
Santa Rosa, California 95403

To:

Kasey Ashley
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California

14 July 2005

LIMITATIONS/DISCLAIMER

This report has been prepared for Schmidbauer Lumber Company, Inc. with specific application to a quarterly monitoring event for the property located at 1099 Waterfront Drive, Eureka, California (the "Site"). Field activities and sampling were conducted in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, either expressed or implied, is made as to the professional advice presented herein.

Access to the property and the surrounding area was and is limited by buildings, roadways, underground and above-ground utilities and other miscellaneous site and site vicinity features. Therefore, the field exploration and points of subsurface observation were and are somewhat restricted.

Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, or other factors. Additional information which was not available to the consultant at the time of this quarterly monitoring event or changes which may occur on the site or in the surrounding area may result in modification to the site that would impact the summary presented herein. This report is not a legal opinion.

We look forward to continuing to work with you on this project and trust this report provides the information you require at this time. If you have any questions or need additional information, please call SCS at 707.476.1590.

KLC — 7-15-05

Kevin L. Coker
Project Scientist

Date

K.W. Fresnel

Karin Fresnel
California Certified Engineering Geologist #2264
Current Expiration Date: August 31, 2005

14 July 2005

Date

Introduction

SCS Engineers (SCS) is pleased to present the results for the first quarter 2005 groundwater monitoring and sampling event at the Schmidbauer Lumber, Inc. (Schmidbauer) site located at 1099 Waterfront Drive in the City of Eureka, California. A summary of historical site investigation activities is presented in previous reports (PNEG, 1998a, 1999a, & 2001c; SCS, 2003b & 2004b). The site location is as shown on the attached Site Location Map (Figure 1). General site features are as shown on the attached Site Plan (Figure 2).

Groundwater Monitoring

Depth to groundwater measurements were collected from monitoring wells MW-1, MW-2, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-8D and MW-9D on 9 March 2005 in order to determine groundwater flow direction and gradient at the site. Depth to groundwater in the shallow wells ranged from approximately 2.13 to 3.57 feet below existing grade. The depths to groundwater in the deep wells (MW-2, MW-8D, and MW-9D) were 6.2 to 6.75 feet below existing grade. The depth to groundwater measurements and well casing elevations were used to calculate the groundwater flow direction and gradient at the Site. Casing and groundwater elevations are reported in feet relative to mean sea level. Depths to groundwater are expressed in feet. The site-wide or regional shallow groundwater flow direction was interpolated to be to the northwest (Figure 2, and Chart 1) at a calculated gradient of 0.001, localized shallow groundwater flow direction was interpolated to be west-northwest (Figure 3, and Chart 2) at a calculated gradient of 0.02, and the deep flow direction was interpolated to be south-southeast (Figure 4 and Chart 3) at a calculated gradient of 0.005 for the first quarter 2005 monitoring event,. Groundwater flow direction and gradient for this and previous monitoring events are presented in Tables 1A, 1B, and 1C (attached).

Groundwater Sampling

Monitoring wells were checked for the presence of free product using an oil/water interface probe. Free product was not present during this monitoring event. Wells scheduled for sampling were purged of approximately three (3) wetted well casing volumes, or at least five (5) gallons of groundwater, whichever was greater, or until the well went dry, using a submersible pump. Temperature, pH, conductivity, turbidity, and dissolved oxygen readings were measured during purging to determine that groundwater representative of aquifer conditions was entering the well casings for sampling. Wells were allowed to recover to 80 percent of static levels or for two hours prior to sampling. Groundwater samples were collected using a clean, disposable bailer for each well. Samples were transferred to appropriate laboratory-supplied containers for analysis. Groundwater samples were labeled, stored under refrigerated conditions, and transported under Chain-of-Custody documentation to Analytical Sciences (AS), a California Department of Health Services-certified laboratory, in Petaluma, California. All samples were collected in accordance with the SCS' Standard Soil and Water Sampling Procedures and QA/QC Protocol. Water generated

during recent site investigative activities is currently stored at the site in 55-gallon UN/DOT-approved 17-E/H drums, pending characterization and disposal. Information related to well purging was recorded on groundwater field sampling forms. Well Purge Records are presented in Appendix B.

Laboratory Analysis

Groundwater samples collected from MW-1, MW-2, MW-6, MW-7, MW-8D, and MW-9D were analyzed for chlorophenols using the Canadian Pulp Method. The Canadian Pulp Method was developed specifically to test for chlorophenols in samples with high wood sugars. This method is accepted by the North Coast Regional Water Quality Control Board (NCRWQCB) and by the Department of Toxic Substances Control DTSC.

Laboratory Analytical Results

All groundwater samples analyzed for this monitoring event were below laboratory minimum detection limits (MDLs) for target analytes. Recent analytical results for groundwater collected from MW-1 are incorporated with historical data in Tables 2 through 11 and plotted on the attached time versus concentration diagram (See Diagram A). A copy of the laboratory report is also attached (Appendix A).

Discussion

Consistent with previous reports and based on historical analytical information, concentrations of target analytes [pentachlorophenol (PCP), tetrachlorophenol isomers, and trichlorophenol (TCP)] in all wells have followed a trend of continuous decline to below laboratory minimum detection limits since inception of the groundwater sampling program in March 1999 (Tables 2 - 11 and Diagram A).

All samples analyzed for this monitoring event were below laboratory MDLs for target analytes. Samples collected from the shallow groundwater monitoring wells (MW-1, and MW-3R through MW-7) have been below laboratory MDLs for all target analytes since the May 2002 quarterly sampling event. Samples collected from the deep groundwater monitoring wells (MW-2, MW-8D, MW-9D) have been below laboratory MDLs for all target analytes since the February 2004 quarterly sampling event.

Project Update

SCS has submitted a report of findings for groundwater flow direction analysis and review for individual well grouping. The report identifies an approximate area for additional investigation. SCS will prepare and submit a workplan to NCRWQCB by 30 July 2005 in accordance with Cleanup and Abatement Order R1-2005-0040.

Attachments

Figures

Figure 1: Site Location Map
Figure 2: Site Plan - Groundwater Flow Direction and Gradient – Shallow Wells for 3/9/05
Figure 3: Site Plan - Groundwater Flow Direction and Gradient – Shallow Wells for 3/9/05
Figure 4: Site Plan - Groundwater Flow Direction and Gradient – Deep Wells for 3/9/05

Charts

Chart 1: Windrose Diagram: Groundwater Flow Directions 3/99 through 3/05 – Deep Monitoring Wells
Chart 2: Windrose Diagram: Shallow Monitoring Wells – 3/99 through 3/05
Chart 3: Windrose Diagram: Shallow Monitoring Wells – 3/99 through 3/05

Tables and Diagrams

Key and Footnotes to Diagram and Tables
Diagram A: Contaminant Concentration & Groundwater Elevation vs. Time – MW-1
Table 1A: Groundwater Flow Direction and Gradient for Shallow Wells: Site-wide
Table 1B: Groundwater Flow Direction and Gradient for Shallow Wells: Local
Table 1C: Groundwater Flow Direction and Gradient for Deep Wells
Tables 2-11: Groundwater Analytical Results - MW-1 through MW-9D

Appendix A: Analytical Sciences report #5031007, dated March 28, 2005
Appendix B Well Purge Records dated March 9, 2005

References

Environmental Resources Management, 1998, MW-14 Sampling Results, Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, September 4.

Reactions and Movement of Organic Chemicals in Soils, Soil Science Society of America, 1989

PNEG, 1997, Work Plan for Subsurface Investigation - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, January 27.

_____, 1998a, Report on Subsurface Investigation - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, May 22.

_____, 1998b, Work Plan for Monitoring Well Installation - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, December 10.

_____, 1999a, Report of Investigation - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, August 30.

_____, 1999b, Results of the June 1999 Quarterly Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, September 14.

_____, 1999c, Results of the September 1999 Quarterly Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, November 15.

_____, 2000a, Results of the December 1999 Quarterly Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, March 8.

_____, 2000b, Results of the March 2000 Quarterly Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, May 23.

_____, 2000c, Results of the 2nd Quarter 2000 Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, July 26.

_____, 2000d, Work Plan for Installation of Peripheral Monitoring Wells and for Feasibility Study for Site Remediation by Phytoremediation - Schmidbauer Lumber, Inc., Foot of Clark Street, Eureka, California, September 12.

_____, 2000e, Results of the 3rd Quarter 2000 Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, October 31.

_____, 2001a, Results of the 4th Quarter 2000 Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, January 22.

_____, 2001b, Work Plan for Phytoremediation Pilot Study - Schmidbauer Lumber, Inc., Foot of Clark Street, Eureka, California, March 8.

_____, 2001c, Report on Installation of Monitoring Wells - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, March 29.

_____, 2001d, Report on Results of the 2nd Quarter 2001 Quarterly Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., Foot of Clark Street, Eureka, California, July 7.

_____, 2001e, Results of the 3rd Quarter 2001 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., Foot of Clark Street, Eureka, California, October 29.

_____, 2002a, Results of the 4th Quarter 2001 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, January 17.

_____, 2002b. Work Plan for Installation of Additional Deep Monitoring Wells and Additional Shallow Borings - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, April 29.

_____, 2002c, Results of the 1st Quarter 2002 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, May 20.

_____, 2002d, Results of the 2nd Quarter 2002 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, July 3.

_____, 2002e, Results of the 3rd Quarter 2002 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, September 25.

_____, 2002f, Results of the 4th Quarter 2002 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, December 23.

_____, 2003a, Results of the 1st Quarter 2003 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, March 17.

_____, 2003b, Results of the 2nd Quarter 2003 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, June 23.

SCS, 2003a, Results of the 3rd Quarter 2003 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, September 30.

____, 2003b, Results of Monitoring Well Installation and Drilling of Additional Borings - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, November 20.

____, 2004a, Results of the 4th Quarter 2003 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, January 14.

____, 2004b, Results of Monitoring Well Installation and Drilling of Additional Borings (Revised, 11/20/03) and Results of Additional Deep Monitoring Well Installation - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, April 12.

____, 2004c, Results of the 2nd Quarter 2004 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, July 20.

____, 2004d, Correction to the Results of the 2nd Quarter 2004 Groundwater Monitoring and Sampling Event report, dated July 20, 2004, for the Schmidbauer Lumber, Inc. site at 1099 Waterfront Drive, Eureka, California, July 29.

____, 2004e, Results of the 4th Quarter 2004 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, December 2.

____, 2005a, Report of Findings: Groundwater Flow Direction Analysis and Review, Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California.

Distribution List
File No. 01203316.00

Mr. Rich Graham
Schmidbauer Lumber, Inc.
P.O. Box 152
Eureka, CA 95502

Mr. Mark Verhay
Humboldt County Division of Environmental Health
100 H Street, Suite 100
Eureka, CA 95501

Figures

Source of Base Map: DeLorme 2000®

SCS ENGINEERS

3645 WESTWIND BOULEVARD
SANTA ROSA, CA 95403
PH. (707) 546–9461 FAX (707) 544–5769

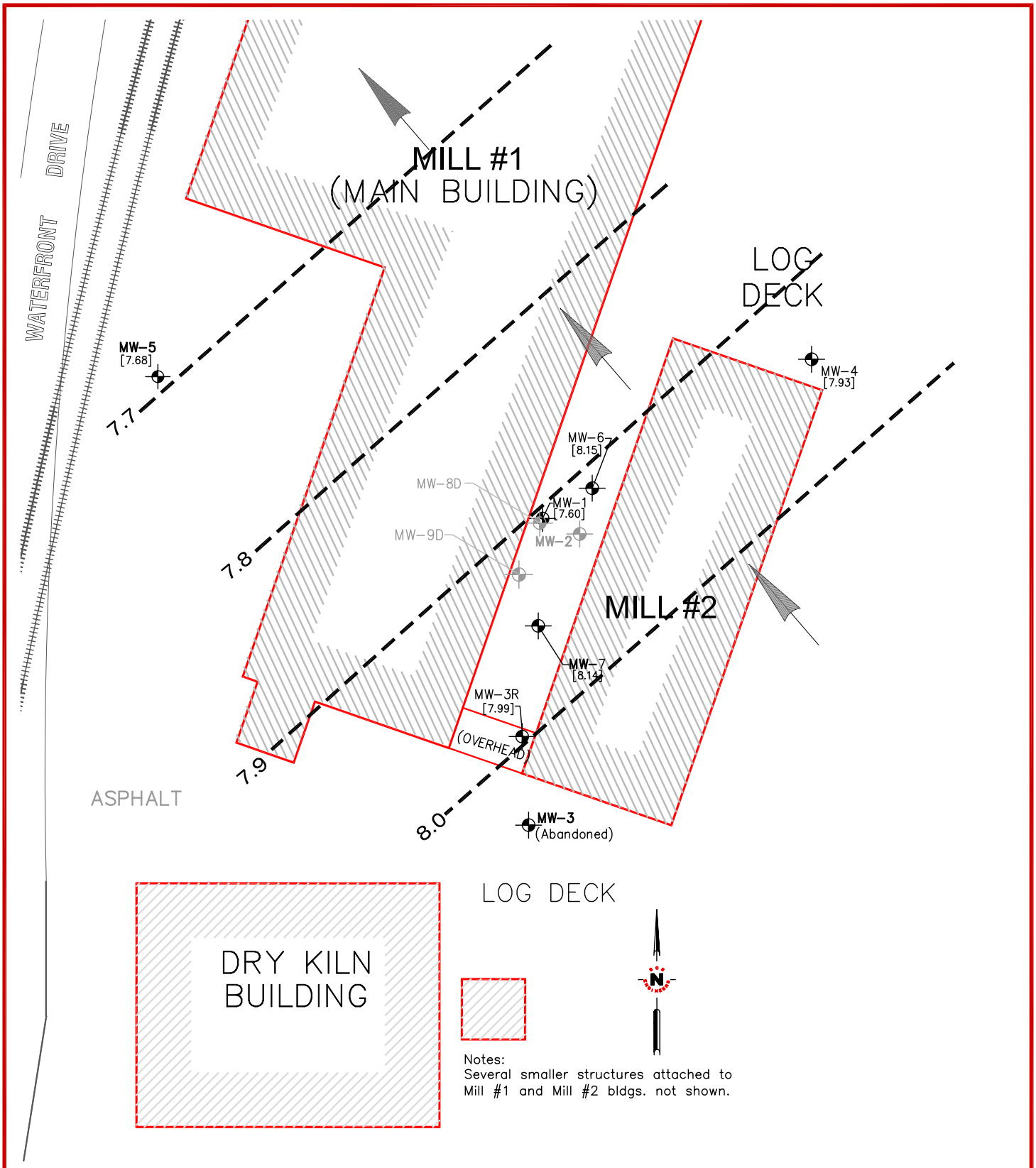
PROJ. NO:	TAKEN BY:	FILE:
01203316.00		3316SiteLocMap
DATE:	CREATED BY	APP. BY:
10/20/04	JJM	KWF

SITE LOCATION MAP

SHMIDBAUER LUMBER COMPANY
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

APPROX. SCALE
IN MILES
0 1 2

FIGURE:
1



SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3645 WESTWIND BOULEVARD
SANTA ROSA, CALIFORNIA 94503
PH. (707) 946-5461 FAX. (707) 544-5769

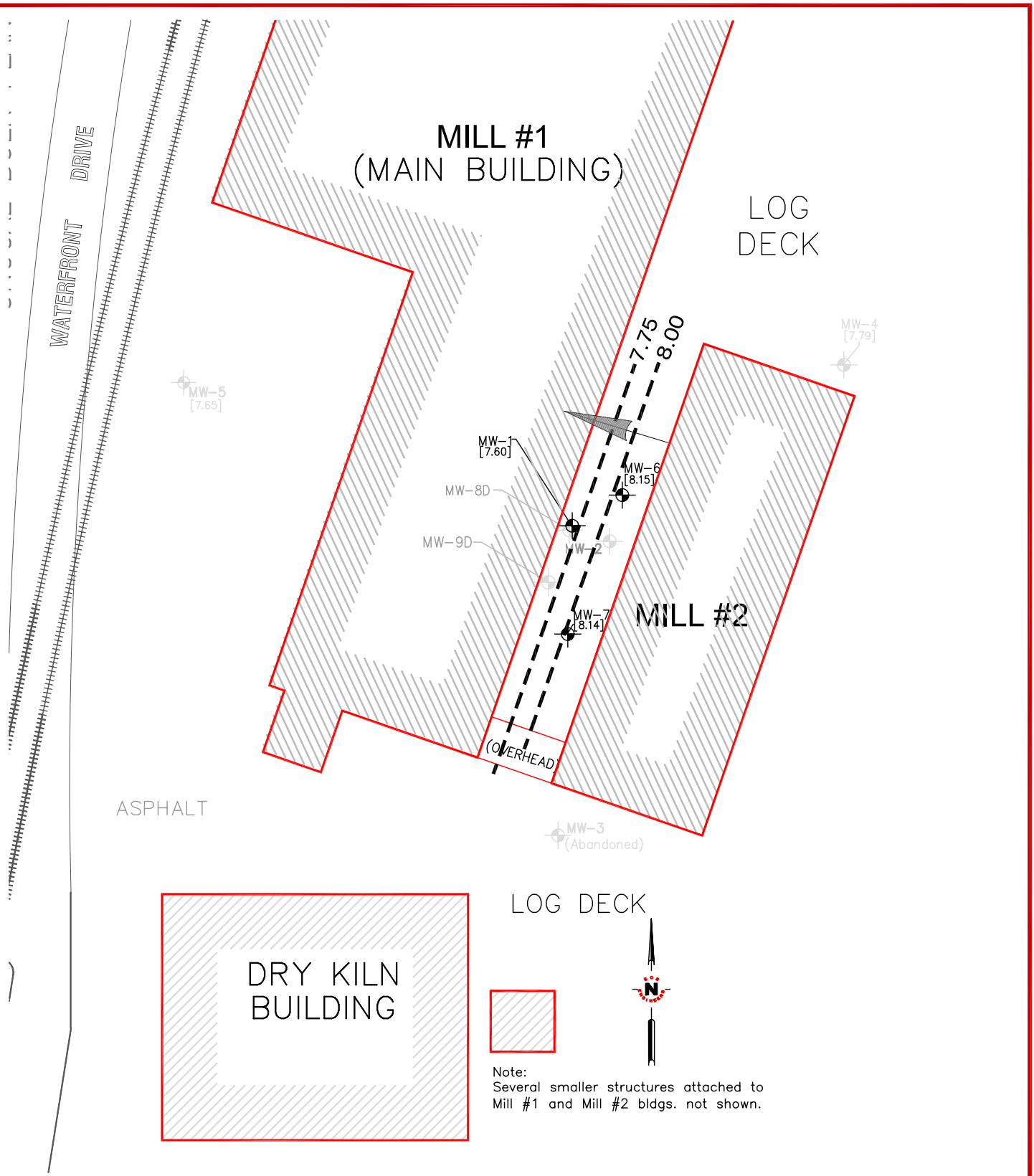
PROJ. NO.	DWN. BY:	ACAD FILE:
01203316.00	JJM	1203316_GWFLO_3-05
DATE	CHK. BY:	APP. BY:
6/5/05	KWF	KWF

SHEET TITLE: SITE PLAN
GROUNDWATER FLOW DIRECTION AND GRADIENT – SHALLOW WELLS FOR 3/9/05

PROJECT TITLE:
SCHMIDBAUER LUMBER, INC.
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

SCALE: 1"= 100' +/-

FIGURE NO. 2



SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3645 WESTWIND BOULEVARD
SANTA ROSA, CALIFORNIA 94503
PH. (707) 946-5461 FAX. (707) 544-5769

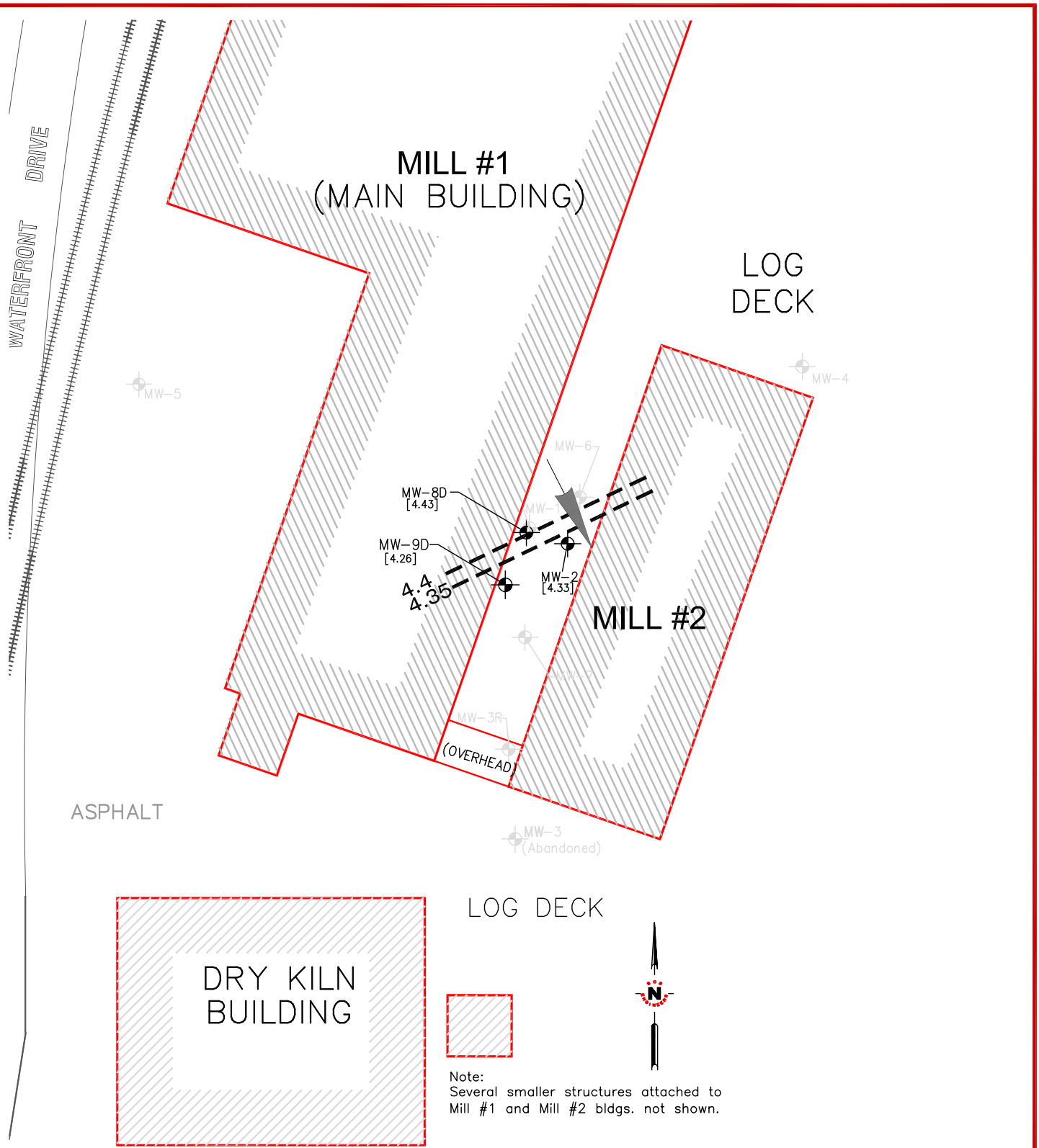
PROJ. NO.	DWN. BY:	ACAD FILE:
01203316.00	JJM	1203316_GWFLO_1-05
DATE	CHK. BY:	APP. BY:
6/5/05	KWF	KWF

SHEET TITLE: SITE PLAN
GROUNDWATER FLOW DIRECTION AND GRADIENT – WELLS MW1, MW6 & MW7 FOR 3/09/05

PROJECT TITLE:
SCHMIDBAUER LUMBER, INC.
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

SCALE: 1"= 100' +/-

FIGURE NO. 3



SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3645 WESTWIND BOULEVARD
SANTA ROSA, CALIFORNIA 94503
PH. (707) 946-5461 FAX. (707) 544-5769

PROJ. NO.	DWN. BY:	ACAD FILE:
01203316.00	JJM	1203316_GWFLO_1-05
DATE	CHK. BY:	APP. BY:
6/5/05	KWF	KWF

SHEET TITLE: SITE PLAN
GROUNDWATER FLOW DIRECTION AND GRADIENT – DEEP WELLS FOR 3/9/05

PROJECT TITLE:
SCHMIDBAUER LUMBER, INC.
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

SCALE: 1"= 100' +/-

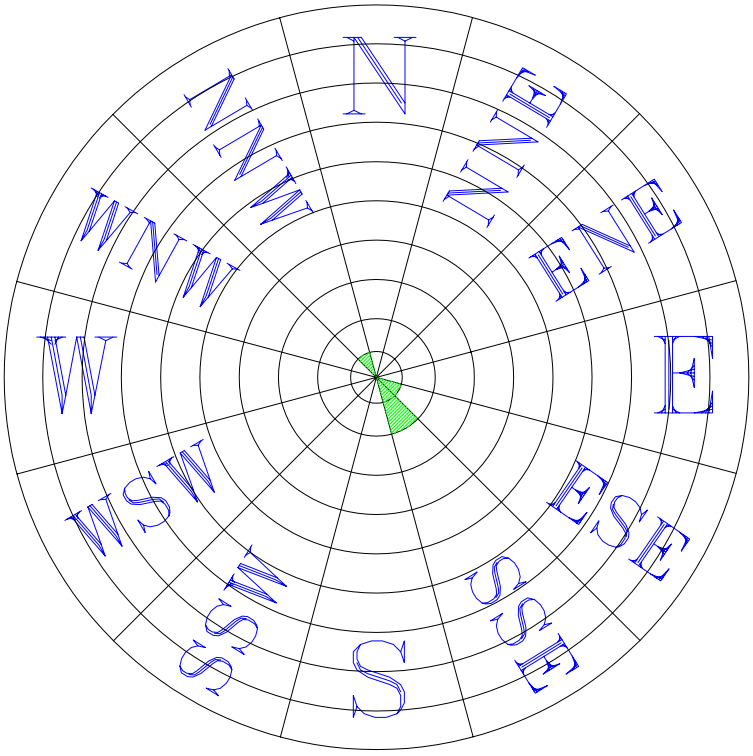
FIGURE NO. 4

Charts

WINDROSE DIAGRAM

DEEP WELLS

(MW-2, MW-8D & MW-9D)



SCS ENGINEERS

ENVIRONMENTAL CONSULTANTS

3645 WESTWIND BOULEVARD
SANTA ROSA, CALIFORNIA 94503
PH. (707) 946-5461 FAX. (707) 544-5769

PROJ. NO.	DWN. BY:	ACAD FILE:
01203316.00	JJM	1203316.00_Windrose
DATE	CHK. BY:	APP. BY:
10/26/04	KWF	

SHEET TITLE: WINDROSE DIAGRAM: GROUNDWATER FLOW DIRECTIONS 3/99 to 3/05
DEEP MONITORING WELLS

PROJECT TITLE:

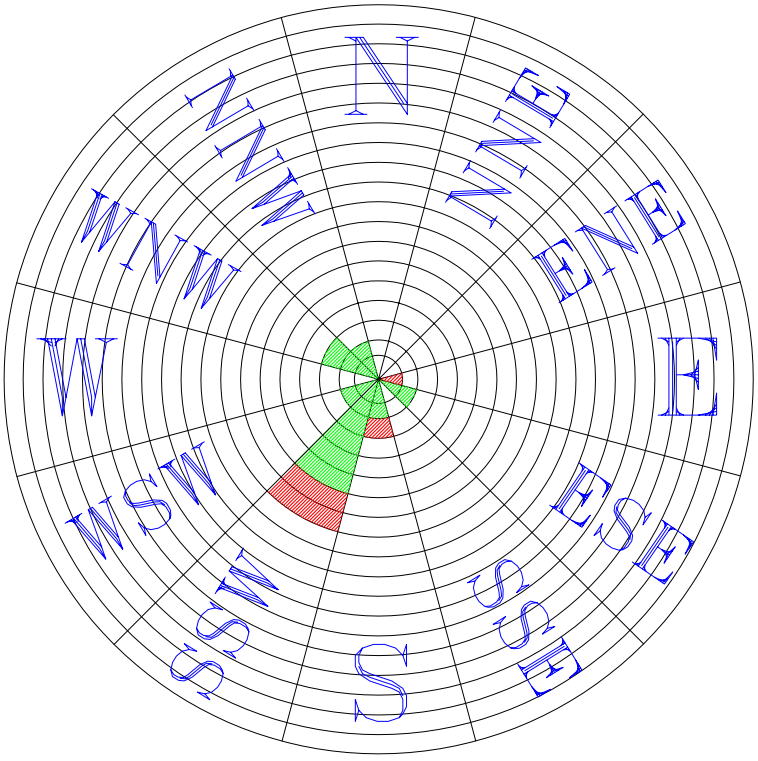
SCHMIDBAUER LUMBER COMPANY
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

SCALE: *(CHART-No Scale)*

CHART: 1

WINDROSE DIAGRAM

SHALLOW WELLS: MW-3[(1)], MW-3R[(1)], MW-4 AND MW-5



NOTES:

(1) Well MW-3 abandoned and replaced with well MW-3R. Groundwater flows resolved with MW-3R are illustrated in red.

Beginning 3/99 through 3/05

6/00, 9/00, 8/02 events not plotted, well MW-3 inaccessable.

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3645 WESTWIND BOULEVARD
SANTA ROSA, CALIFORNIA 94503
PH. (707) 946-5461 FAX. (707) 544-5769

PROJ. NO.	DWN. BY:	ACAD FILE:
01203316.00	JJM	1203316.00_Windrose_6-05
DATE	CHK. BY:	APP. BY:
6/23/05	KWF	

SHEET TITLE: WINDROSE DIAGRAM: SHALLOW MONITORING WELLS – 3/99 THROUGH 3/05

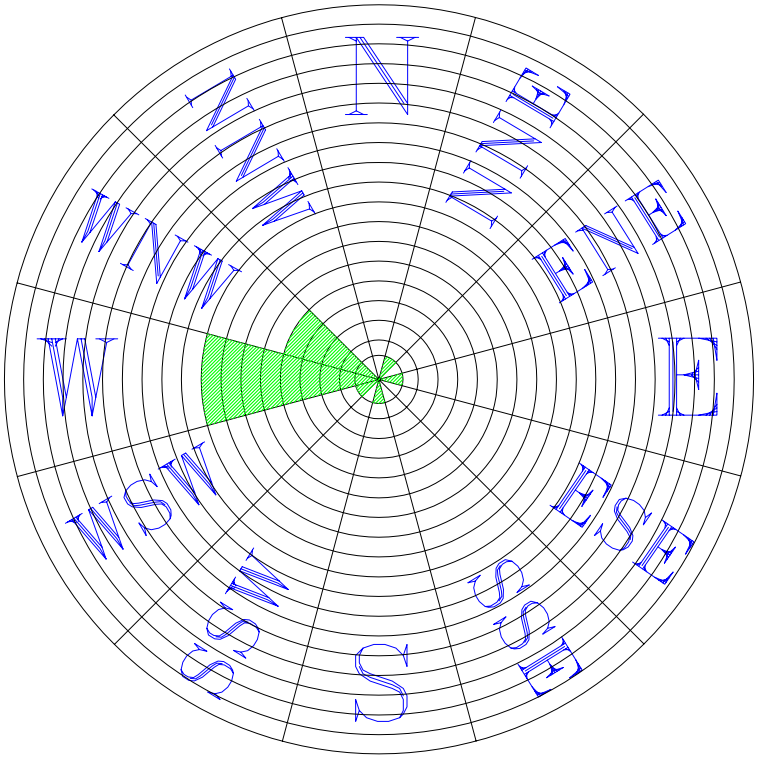
PROJECT TITLE: SCHMIDBAUER LUMBER COMPANY
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

SCALE: *(CHART-No Scale)*

CHART: 2

WINDROSE DIAGRAM

SHALLOW WELLS: MW-1 , MW-6 AND MW-7



NOTES:

Beginning 5/01 through 3/05

6/05 event not plotted, well MW-6 inaccessable.

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3645 WESTWIND BOULEVARD
SANTA ROSA, CALIFORNIA 94503
PH. (707) 946-5461 FAX. (707) 544-5769

PROJ. NO. 01203316.00	DWN. BY: JJM	ACAD FILE: 1203316.00_Windrose_6-05
DATE 6/23/05	CHK. BY: KWF	APP. BY:

SHEET TITLE: WINDROSE DIAGRAM: SHALLOW MONITORING WELLS – 3/99 THROUGH 3/05/05

PROJECT TITLE: SCHMIDBAUER LUMBER COMPANY, 1099 WATERFRONT DRIVE, EUREKA, CALIFORNIA

SCALE: *(CHART-No Scale)*

CHART: 3

Tables and Diagrams

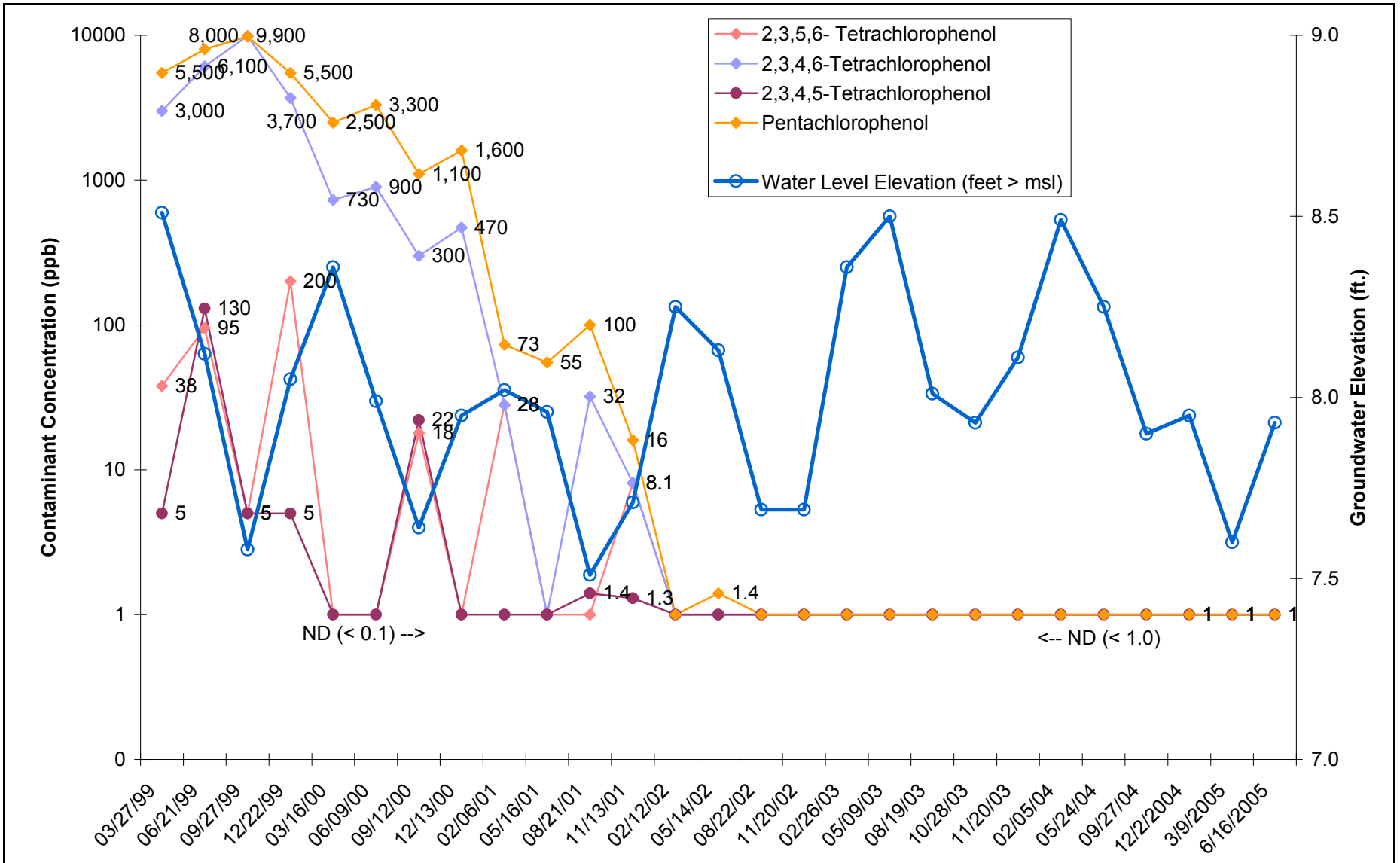
Key and Footnotes to Diagram and Tables
1099 Waterfront Drive, Eureka, California

Key

PCP	=	Pentachlorophenol
mg/kg	=	Milligrams per kilogram
ug/L	=	Micrograms per liter
ND	=	Not detected
NA	=	Not analyzed
NR	=	Not reported
TCP	=	Trichlorophenol
TOC	=	Total organic carbon
mg/L	=	Milligrams per liter

Table Footnotes

1 Analytical method yields total trichlorophenols as conducted by Analytical Sciences
2 Co-elution
3 Well converted to semi-annual sampling program per 3/25/01 NCWQCB letter
4 Well converted to annual sampling program per 3/15/01 NCWQCB letter
5 Laboratory reports presence of pentachlorophenol below normal laboratory reporting limits
6 Wells inaccessible 5/27/04. Depth to water measured 6/2/04
7 Well inaccessible



SCS ENGINEERS	Contaminant Concentration and Groundwater Elevation vs. Time - MW-1	DIAGRAM
3645 WESTWIND BOULEVARD SANTA ROSA, CALIFORNIA PH: (707) 546-9461 FX: (707)544-5769	Schmidbauer Lumber, Inc. 1099 Waterfront Drive Eureka, California	A
Drawn By: MRO / File Name: Diagram-A	Job Number: 01203316.00	DATE: 5/25/2005

Table 1A: Groundwater Flow Direction and Gradient Shallow Wells: Site Wide
1099 Waterfront Drive, Eureka, California

Date	Groundwater Flow Direction (+/- 5°)	Groundwater Gradient (i=ft / ft)	Notes
03/27/99	S50°E	0.002	
06/21/99	S50°W	0.002	
09/27/99	Generally Southwest		
12/22/99	Generally Southeast		
03/16/00	S45°E	0.002	
06/09/00	Northerly	0.002	MW-3 inaccessible (covered with multiple layers of logs)
09/12/00	N15°W	0.002	MW-2 and MW-3 inaccessible (covered with multiple layers of logs / lumber)
12/13/00	S20°W	0.001	
02/06/01	Southerly	0.002	
05/16/01	Southerly to Easterly	0.002	
08/21/01	Southerly	0.004	
11/13/01	Southerly	0.003	
02/12/02	Southerly	0.001	
05/14/02	Southerly	0.003	
08/22/02	Southerly	0.002	
11/20/02	Southerly	0.002	
02/26/03	Southerly	0.002	
05/09/03	Southerly	0.002	
08/19/03	Southerly	0.003	MW-8D installed
10/28/03	Southerly	0.004	Monitoring wells were re-surveyed to msl on October 7, 2003 MW-3 abandoned and replaced with MW-3R
11/20/03	Southerly	0.002	
02/05/04	S to E	0.001	
05/24/04	Northwesterly	0.003	MW-6 and MW-7 sampled on 6/2/04 (covered by logs on 5/24/04)
09/27/04	Northwesterly	0.002	
12/02/04	West-Northwesterly	0.001	
03/09/05	North-Northwest (N40°W)	0.001	Flow and gradient calculated using MW-3R, MW-4 and MW-5 only.
6/16/2005	North-Northwest (N45°W)	0.001	Flow and gradient calculated using MW-3R, MW-4 and MW-5 only.

Table 1B: Groundwater Flow Direction and Gradient Shallow Wells: Local (MW-1, MW-6 and MW-7 only)
1099 Waterfront Drive, Eureka, California

Date	Groundwater Flow Direction (+/- 5°)	Groundwater Gradient (i=ft / ft)	Notes
05/16/01	N75°W	0.001	
08/21/01	N30°E	0.001	
11/13/01	N80°W	0.004	
02/12/02	S85°W	0.001	
05/14/02	West (N90°W)	0.001	
08/22/02	S85°W	0.001	
11/20/02	N70°W	0.003	
02/26/03	N70°W	0.002	
05/09/03	N80°W	0.002	
08/19/03	S80°W	0.003	
10/28/03	S75°W	0.003	Monitoring wells were re-surveyed to msl on October 7, 2003
11/20/03	N80°W	0.006	
02/05/04	S80°W	0.001	
05/24/04	West (N90°W)	0.001	
09/27/04	S5°W	0.003	
12/02/04	N75°W	0.002	
03/09/05	N70°W	0.02	
06/16/05	NA[2]	NA[2]	

NA[2] - Not available, Well MW-6 in accessible

Groundwater flow directions estimated to the nearest 5 degrees.

Table 1C: Groundwater Flow Direction and Gradient for Deep Wells
1099 Waterfront Drive, Eureka, California

Date	Groundwater Flow Direction (+/- 5°)	Groundwater Gradient (ft ./ ft.)	Notes
02/05/04	S55°E	0.005	MW-9D installed (surveyed on February 17, 2004)
05/24/04	S50°E	0.003	
09/27/04	NA[3]	NA[3]	
12/02/04	S55°E	0.01	
03/09/05	S65°E	0.01	
06/16/05	N30°W	0.001	

Footnotes

NA[3] - Not available, Well MW-2 inaccessible

Groundwater flow directions estimated to the nearest 5 degrees.

Table 2: Groundwater Analytical Results - MW-1
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-1	03/27/99	11.17	2.66	8.51	**3**	**38**	**3,000**	<90	**5,500**
	06/21/99	11.17	3.05	8.12	<10	**95**	**6,100**	**130**	**8,000**
	09/27/99	11.17	3.59	7.58	**9.3**	<100	**9,900**	<100	**9,800**
	12/22/99	11.17	3.12	8.05	<10	**200**	**3,700**	<10	**5,500**
	03/16/00	11.17	2.81	8.36	<1.0	<1.0	**730**	<1.0	**2,500**
	06/09/00	11.17	3.18	7.99	**1**	<1.0	**900**	<1.0	**3,300**
	09/12/00	11.17	3.53	7.64	<1.0	**18**	**300**	**22**	**1,100**
	12/13/00	11.17	3.22	7.95	<1.0	<1.0	**470**	<1.0	**1,600**
	02/06/01	11.17	3.15	8.02	**15** [1]	**28** [2]		<1.0	**73**
	05/16/01	11.17	3.21	7.96	<1.0	<1.0	<1.0	<1.0	**55**
	08/21/01	11.17	3.66	7.51	<1.0	<1.0	**32**	**1.4**	**100**
	11/13/01	11.17	3.46	7.71	NR	**8.1** [2]		**1.3**	**16**
	02/12/02	11.17	2.92	8.25	<1.0	<1.0	<1.0	<1.0	<1.0
	05/14/02	11.17	3.04	8.13	<1.0	<1.0	<1.0	<1.0	**1.4**
	08/22/02	11.17	3.48	7.69	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	11.17	3.48	7.69	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	11.17	2.81	8.36	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/03	11.17	2.67	8.5	<1.0	<1.0	<1.0	<1.0	<1.0
	08/19/03	11.17	3.16	8.01	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	11.17	3.24	7.93	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/03	11.17	3.06	8.11	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	11.17	2.68	8.49	<1.0	<1.0	<1.0	<1.0	<1.0
	05/24/04	11.17	2.92	8.25	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	11.17	3.27	7.90	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	11.17	3.22	7.95	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/04	11.17	3.57	7.60	<1.0	<1.0	<1.0	<1.0	<1.0
	06/16/05	11.17	3.11	8.06	<1.0	<1.0	<1.0	<1.0	<1.0

Table 3: Groundwater Analytical Results - MW-2
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-TCP (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	PCP (µg/L)
MW-2	03/27/99	10.53	6.05	4.48	<0.1	**0.88**	**16**	<0.1	**35**
	06/21/99	10.53	6.64	3.89	<0.1	**0.97**	**24**	**0.66**	**62**
	09/27/99	10.53	7.61	2.92	<1.0	<1.0	<1.0	<1.0	<1.0
	12/22/99	10.53	5.89	4.64	<1.0	<1.0	**3.8**	<1.0	**16**
	03/16/00	10.53	6.05	4.48	<1.0	<1.0	<1.0	<1.0	<1.0
	06/08/00	10.53	7.49	3.04	<1.0	<1.0	<1.0	<1.0	<1.0
	09/12/00	10.53	Inaccessible, covered by multiple layers of logs/lumber						
	12/13/00	10.53	6.36	4.17	<1.0	<1.0	<1.0	<1.0	<1.0
	02/06/01	10.53	6.25	4.28	<1.0 [1]	<1.0 [2]		<1.0	<1.0
	05/16/01	10.53	6.60	3.93	<1.0	<1.0	<1.0	<1.0	<1.0
	8/21/01 [3]	10.53	7.52	3.01	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.53	6.01	4.52	NA	NA	NA	<1.0	<1.0
	02/12/02	10.53	6.12	4.41	NA	NA	NA	NA	NA
	05/14/02	10.53	7.53	3.00	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/02	10.53	Inaccessible, covered by multiple layers of logs/lumber						
	11/20/02	10.53	6.13	4.40	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	10.53	5.30	5.23	NA	NA	NA	NA	NA
	05/09/03	10.53	6.07	4.46	<1.0	<1.0	<1.0	<1.0	<1.0
	08/19/03	10.53	6.53	4.00	NA	NA	NA	NA	NA
	10/28/03	10.53	5.70	4.83	NA	NA	NA	NA	NA
	11/20/03	10.53	6.12	4.41	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	10.53	5.49	5.04	NA	NA	NA	NA	NA
	05/24/04	10.53	7.12	3.41	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	10.53	Not sampled [7]						
	12/02/04	10.53	5.94	4.59	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	10.53	6.20	4.33	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2005	10.53	6.65	3.88	<1.0	<1.0	<1.0	<1.0	<1.0

Table 4: Groundwater Analytical Results - MW-3
1099 Waterfront Drive, Eureka, California

Well ID	Date	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-3	03/27/99	7.82	<0.1	<0.1	<0.1	<0.1	<0.1
	06/21/99	3.50	<0.1	<0.1	<0.1	<0.1	**0.31**
	09/27/99	6.65	<1.0	<1.0	**16**	<1.0	**0.31**
	12/22/99	7.50	<1.0	<1.0	<1.0	<1.0	<1.0
	03/16/00	7.85	<1.0	<1.0	<1.0	<1.0	<1.0
	06/08/00	Inaccessible; Well covered by multiple layers of logs/lumber					
	09/12/00	Inaccessible; Well covered by multiple layers of logs/lumber					
	12/13/00	7.65	<1.0	<1.0	<1.0	<1.0	<1.0
	02/06/01	7.48	<1.0	<1.0 [2]		<1.0	<1.0
	5/16/01 [4]	7.43	NA	NA	NA	NA	NA
	08/21/01	6.88	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	7.01	NA	NA	NA	NA	NA
	02/12/02	7.55	NA	NA	NA	NA	NA
	05/14/02	7.38	NA	NA	NA	NA	NA
	08/22/02	Inaccessible; Well covered by multiple layers of logs/lumber					
	11/20/02	7.18	NA	NA	NA	NA	NA
	02/26/03	7.82	NA	NA	NA	NA	NA
	05/09/03	7.96	NA	NA	NA	NA	NA
	08/19/03	7.14	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	Well Abandoned September 2003 and replaced by MW-3R					

Table 5: Groundwater Analytical Results - MW-3R
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-3R	10/28/03 [4]	10.49	3.22	7.27	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/03	10.49	2.83	7.66	NA	NA	NA	NA	NA
	02/05/04	10.49	2.24	8.25	NA	NA	NA	NA	NA
	05/24/04	10.49	2.46	8.03	NA	NA	NA	NA	NA
	09/27/04	10.49	2.84	7.65	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.49	2.69	7.80	NA	NA	NA	NA	NA
	03/09/05	10.49	2.50	7.99	NA	NA	NA	NA	NA
	06/16/05	10.49	2.50	7.99	<1.0	<1.0	<1.0	<1.0	<1.0

Table 6: Groundwater Analytical Results - MW-4
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-4	03/27/99	10.06	2.14	7.92	<0.1	<0.1	**0.12**	<0.1	**0.3**
	06/21/99	10.06	2.28	7.78	<0.1	**0.21**	**1.2**	<0.1	**3.0**
	09/27/99	10.06	2.53	7.53	<1.0	<1.0	<1.0	<1.0	<1.0
	12/22/99	10.06	2.29	7.77	<1.0	<1.0	<1.0	<1.0	<1.0
	03/16/00	10.06	2.01	8.05	<1.0	<1.0	<1.0	<1.0	<1.0
	06/09/00	10.06	2.28	7.78	<1.0	<1.0	<1.0	<1.0	<1.0
	09/12/00	10.06	2.45	7.61	<1.0	<1.0	<1.0	<1.0	**1.8**
	12/13/00	10.06	2.10	7.96	NA	NA	NA	NA	NA
	02/06/01	10.06	2.09	7.97	<1.0 [1]	<1.0 [2]		<1.0	<1.0
	5/16/01 [4]	10.06	2.70	7.36	NA	NA	NA	NA	NA
	08/21/01	10.06	2.51	7.55	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.06	2.09	7.97	NA	NA	NA	NA	NA
	02/12/02	10.06	1.87	8.19	NA	NA	NA	NA	NA
	05/14/02	10.06	2.15	7.91	NA	NA	NA	NA	NA
	08/22/02	10.06	2.00	8.06	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	10.06	2.36	7.70	NA	NA	NA	NA	NA
	02/26/03	10.06	1.99	8.07	NA	NA	NA	NA	NA
	05/09/03	10.06	1.86	8.20	NA	NA	NA	NA	NA
	08/19/03	10.06	2.15	7.91	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	10.06	2.00	8.06	NA	NA	NA	NA	NA
	11/20/03	10.06	1.92	8.14	NA	NA	NA	NA	NA
	02/05/04	10.06	1.91	8.15	NA	NA	NA	NA	NA
	05/24/04	10.06	2.03	8.03	NA	NA	NA	NA	NA
	09/27/04	10.06	2.27	7.79	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.06	2.27	7.79	NA	NA	NA	NA	NA
	03/09/05	10.06	2.13	7.93	NA	NA	NA	NA	NA
	6/16/2005	10.06	2.11	7.95	<1.0	<1.0	<1.0	<1.0	<1.0

Table 7: Groundwater Analytical Results - MW-5
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-5	03/27/99	10.03	1.43	8.60	<0.1	<0.1	<0.1	<0.1	**0.14**
	06/21/99	10.03	2.81	7.22	<0.1	<0.1	**0.38**	<0.1	**1**
	09/27/99	10.03	3.19	6.84	<1.0	<1.0	<1.0	<1.0	<1.0
	12/22/99	10.03	2.30	7.73	<1.0	<1.0	<1.0	<1.0	<1.0
	03/16/00	10.03	1.15	8.88	<1.0	<1.0	<1.0	<1.0	<1.0
	06/09/00	10.03	2.31	7.72	<1.0	<1.0	<1.0	<1.0	<1.0
	09/12/00	10.03	3.18	6.85	<1.0	<1.0	<1.0	<1.0	<1.0
	12/13/00	10.03	2.24	7.79	<1.0	<1.0	<1.0	<1.0	<1.0
	02/06/01	10.03	2.33	7.70	<1.0 [1]	<1.0 [2]		<1.0	<1.0
	5/16/01 [4]	10.03	2.33	7.70	NA	NA	NA	NA	NA
	08/21/01	10.03	3.24	6.79	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.03	1.90	8.13	NA	NA	NA	NA	NA
	02/12/02	10.03	2.14	7.89	NA	NA	NA	NA	NA
	05/14/02	10.03	2.65	7.38	NA	NA	NA	NA	NA
	08/22/02	10.03	3.10	6.93	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	10.03	2.74	7.29	NA	NA	NA	NA	NA
	02/26/03	10.03	2.09	7.94	NA	NA	NA	NA	NA
	05/09/03	10.03	1.77	8.26	NA	NA	NA	NA	NA
	08/19/03	10.03	2.66	7.37	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	10.03	2.54	7.49	NA	NA	NA	NA	NA
	11/20/03	10.03	1.92	8.11	NA	NA	NA	NA	NA
	02/05/04	10.03	1.65	8.38	NA	NA	NA	NA	NA
	05/24/04	10.03	2.43	7.60	NA	NA	NA	NA	NA
	09/27/04	10.03	2.74	7.29	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.03	2.38	7.65	NA	NA	NA	NA	NA
	03/09/05	10.03	2.35	7.68	NA	NA	NA	NA	NA
	06/16/05	10.03	2.50	7.53	<1.0	<1.0	<1.0	<1.0	<1.0

Table 8: Groundwater Analytical Results - MW-6
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-6	02/06/01	10.71	2.75	7.96	**4.5**	<1.0 [2]		<1.0	<1.0
	05/16/01	10.71	2.71	8.00	<1.0	<1.0	<1.0	<1.0	**6.1**
	08/21/01	10.71	3.24	7.47	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.71	2.87	7.84	NR	<1.0 [2]		<1.0	<1.0
	02/12/02	10.71	2.41	8.30	<1.0	<1.0	<1.0	<1.0	<1.0
	05/14/02	10.71	2.51	8.20	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/02	10.71	2.98	7.73	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	10.71	2.96	7.75	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	10.71	2.31	8.40	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/03	10.71	2.16	8.55	<1.0	<1.0	<1.0	<1.0	<1.0
	08/19/03	10.71	2.59	8.12	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	10.71	2.67	8.04	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/03	10.71	2.49	8.22	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	10.71	2.18	8.53	<1.0	<1.0	<1.0	<1.0	<1.0
	06/02/04 [6]	10.71	2.38	8.33	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	10.71	2.74	7.97	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.71	2.70	8.01	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	10.71	2.56	8.15	<1.0	<1.0	<1.0	<1.0	<1.0
	06/16/05	10.71	NM	NM	NA	NA	NA	NA	NA

Table 9: Groundwater Analytical Results - MW-7
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-7	02/06/01	10.76	2.79	7.97	<1.0	<1.0 [2]		<1.0	<1.0 [5]
	05/16/01	10.76	2.78	7.98	<1.0	<1.0	<1.0	<1.0	<1.0
	08/21/01	10.76	3.19	7.57	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.76	3.10	7.66	NR	<1.0 [2]		<1.0	<1.0
	02/12/02	10.76	2.52	8.24	<1.0	<1.0	<1.0	<1.0	<1.0
	05/14/02	10.76	2.63	8.13	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/02	10.76	3.06	7.7	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	10.76	3.03	7.73	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	10.76	2.37	8.39	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/03	10.76	2.24	8.52	<1.0	<1.0	<1.0	<1.0	<1.0
	08/19/03	10.76	2.79	7.97	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	10.76	2.89	7.87	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/03	10.76	2.69	8.07	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	10.76	2.29	8.47	<1.0	<1.0	<1.0	<1.0	<1.0
	06/02/04 [6]	10.76	2.50	8.26	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	10.76	2.86	7.90	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.76	2.79	7.97	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	10.76	2.62	8.14	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2005	10.76	2.64	8.12	<1.0	<1.0	<1.0	<1.0	<1.0

Table 10: Groundwater Analytical Results - MW-8D
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-8D	10/28/03	11.15	6.13	5.02	<1.0	**<1.5** [2]		<1.0	**6.6**
	11/20/03	11.15	6.57	4.58	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	11.15	5.96	5.19	<1.0	<1.0	<1.0	<1.0	<1.0
	05/24/04	11.15	7.63	3.52	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	11.15	6.88	4.27	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	11.15	6.42	4.73	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	11.15	6.72	4.43	<1.0	<1.0	<1.0	<1.0	<1.0
	06/16/05	11.15	7.25	3.90	<1.0	<1.0	<1.0	<1.0	<1.0

Table 11: Groundwater Analytical Results - MW-9D
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-9D	02/05/04	11.01	5.86	5.15	<1.0	<1.0	**1.9**	<1.0	**12**
	05/24/04	11.01	7.53	3.48	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	11.01	6.78	4.23	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	11.01	6.32	4.69	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	11.01	6.75	4.26	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2005	11.01	7.09	3.92	<1.0	<1.0	<1.0	<1.0	<1.0

Footnotes

1 - Analytical method yields total trichlorophenols as conducted by Analytical Sciences
2 - Co-elution
3 - Well converted to semi-annual sampling program per 3/25/01 NCRWQCB letter
4 - Well converted to annual sampling program per 3/15/01 NCRWQCB letter
5 - Laboratory reports presence of pentachlorophenol below normal laboratory reporting limits
6 - Wells inaccessible 5/27/04. Depth to water measured 6/2/04
7 - Well inaccessible.
NA - Not Analyzed
NR - Not Reported
NM - Not Measured

Appendix A
Analytical Science Report #5031007
28 March 2005

Analytical Sciences

Report Date: March 28, 2005

Dale Dell'Osso
SCS Engineers
3645 Westwind Blvd.
Santa Rosa, CA 95403

LABORATORY REPORT

Project Name: **Schmidbauer** **01203316.00**

Lab Project Number: **5031007**

This 5 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.
Laboratory Director

PO Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952
Fax: (707) 769-8093

Chlorinated Phenols in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28776	MW-1	2,3,4-trichlorophenol	ND	1.0
		2,4,5-trichlorophenol	ND	1.0
		2,4,6-trichlorophenol	ND	1.0
		2,3,4,6-tetrachlorophenol	ND	1.0
		2,3,5,6-tetrachlorophenol	ND	1.0
		2,3,4,5-tetrachlorophenol	ND	1.0
		Pentachlorophenol (PCP)	ND	1.0

Date Sampled:	03/09/05	Date Extracted:	03/15/05	QC Batch #:	S0382
Date Received:	03/10/05	Date Analyzed:	03/15/05, 03/16/05	Method:	Canadian Pulp

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28777	MW-6	2,3,4-trichlorophenol	ND	1.0
		2,4,5-trichlorophenol	ND	1.0
		2,4,6-trichlorophenol	ND	1.0
		2,3,4,6-tetrachlorophenol	ND	1.0
		2,3,5,6-tetrachlorophenol	ND	1.0
		2,3,4,5-tetrachlorophenol	ND	1.0
		Pentachlorophenol (PCP)	ND	1.0

Date Sampled:	03/09/05	Date Extracted:	03/15/05	QC Batch #:	S0382
Date Received:	03/10/05	Date Analyzed:	03/15/05, 03/16/05	Method:	Canadian Pulp

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28778	MW-7	2,3,4-trichlorophenol	ND	1.0
		2,4,5-trichlorophenol	ND	1.0
		2,4,6-trichlorophenol	ND	1.0
		2,3,4,6-tetrachlorophenol	ND	1.0
		2,3,5,6-tetrachlorophenol	ND	1.0
		2,3,4,5-tetrachlorophenol	ND	1.0
		Pentachlorophenol (PCP)	ND	1.0

Date Sampled:	03/09/05	Date Extracted:	03/15/05	QC Batch #:	S0382
Date Received:	03/10/05	Date Analyzed:	03/15/05, 03/16/05	Method:	Canadian Pulp

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28779	MW-8D	2,3,4-trichlorophenol	ND	1.0
		2,4,5-trichlorophenol	ND	1.0
		2,4,6-trichlorophenol	ND	1.0
		2,3,4,6-tetrachlorophenol	ND	1.0
		2,3,5,6-tetrachlorophenol	ND	1.0
		2,3,4,5-tetrachlorophenol	ND	1.0
		Pentachlorophenol (PCP)	ND	1.0

Date Sampled:	03/09/05	Date Extracted:	03/15/05	QC Batch #:	S0382
Date Received:	03/10/05	Date Analyzed:	03/15/05, 03/16/05	Method:	Canadian Pulp

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28780	**MW-9D**	**2,3,4-trichlorophenol**	**ND**	1.0
		2,4,5-trichlorophenol	**ND**	1.0
		2,4,6-trichlorophenol	**ND**	1.0
		2,3,4,6-tetrachlorophenol	**ND**	1.0
		2,3,5,6-tetrachlorophenol	**ND**	1.0
		2,3,4,5-tetrachlorophenol	**ND**	1.0
		Pentachlorophenol (PCP)	**ND**	1.0

Date Sampled:	03/09/05	Date Extracted:	03/15/05	QC Batch #:	S0382
Date Received:	03/10/05	Date Analyzed:	03/15/05, 03/16/05	Method:	Canadian Pulp

LABORATORY
QUALITY ASSURANCE REPORT

QC Batch #: S0382 **Lab Project #:** 5031007

Sample ID	Compound	Result (ug/L)
MB	2,3,5,6-tetrachlorophenol	ND
MB	2,3,4,6-tetrachlorophenol	ND
MB	2,3,4,5-tetrachlorophenol	ND
MB	pentachlorophenol	ND

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	2,3,5,6-tetrachlorophenol	4.60	5.00	92.0
LCS	2,3,4,6-tetrachlorophenol	4.80	5.00	96.0
LCS	2,3,4,5-tetrachlorophenol	4.80	5.00	96.0
LCS	pentachlorophenol	4.67	5.00	93.4

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCSD	2,3,5,6-tetrachlorophenol	4.74	5.00	94.8	3.0
LCSD	2,3,4,6-tetrachlorophenol	4.94	5.00	98.8	2.9
LCSD	2,3,4,5-tetrachlorophenol	4.80	5.00	96.0	0.0
LCSD	pentachlorophenol	4.80	5.00	96.0	2.7

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

Analytical Sciences

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 5031007
SCS ENGINEERS PROJECT NAME: Schmidbauer
SCS ENGINEERS PROJECT NUMBER: 01203316.00

CLIENT INFORMATION

COMPANY NAME: SCS ENGINEERS
ADDRESS: 3645 WESTWIND BOULEVARD
SANTA ROSA, CA 95403
CONTACT: Dale Dell'Osso
PHONE#: (707) 546-9461
FAX #: (707) 544-5769

BILLING INFORMATION

CONTACT: Rich Graham
COMPANY NAME: Schmidbauer Lumber
ADDRESS: P.O. Box 152
Eureka, CA 95502
PHONE#: 707-443-7024
FAX #: ~~707-544-5769~~

TURNAROUND TIME (check one)

MOBILE LAB ____
SAME DAY ____ 24 HOURS ____
48 HOURS ____ 72 HOURS ____
5 DAYS ____ NORMAL ✓

GEOTRACKER EDF: ___Y ___N
GLOBAL ID: ____

COOLER TEMPERATURE: Blue Ice °C

COC

PAGE 1 OF 1

ANALYSIS

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX & MTBE EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260 (FULL LIST)	EPA 8260 Full List + Oxy / Fuel Additives	BTEX & OXYGENATES + PB SCAVENGERS EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD	PCP/TCP by Canadian Pulp	COMMENTS	LAB SAMPLE #
1	MW-1	3-9-05	5:05	WATER	2	N													X		28776
2	MW-6	↓	4:38	↓	↓	↓													↓		28777
3	MW-7	↓	6:15	↓	↓	↓													↓		28778
4	MW-8D	↓	5:20	↓	↓	↓													↓		28779
5	MW-9D	↓	6:00	↓	↓	↓															28780
6																					
7																					
8																					
9																					
10																					
11																					

SIGNATURES

RELINQUISHED BY: Bruce Tavernier DATE: 3/10/05 TIME: 1:30 Pm
RECEIVED BY: DATE: TIME:
RELINQUISHED BY: Tanya Gallegos DATE: 3/10/05 TIME: 3:12
RECEIVED BY: DATE: TIME:

RECEIVED BY LABORATORY: [signature] SIGNATURE 3/10/05 DATE 3:13 TIME

Appendix B
Well Purge Records
9 March 2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 1**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 4.0

DEPTH TO:

WATER (h): 3.57

NAPL: n.a.*

NAPL THICKNESS: n.a.*

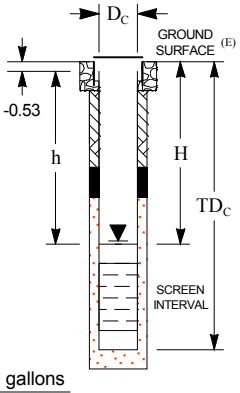
SCREEN DEPTH:

TOP: 3.0

BOTTOM: 10.0

TOTAL DEPTH (TD_C): 10.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 3.85 gallons

DATE OF SAMPLING:	3/9/2005
WEATHER:	Clear/Warm
TAGGED WATER LEVELS FROM TOC:	3.57 / 3.57
TAGGED WELL DEPTH FROM TOC:	9.97
PURGE VOLUME (3 CASING VOLUMES):	11.6 gallons
DEPTH TO WATER FOR 80% RECHARGE:	4.75 ft. below TOC
TIME OF SAMPLING:	17:05
DEPTH TO WATER AT TIME OF SAMPLING:	3.12 ft. below TOC
APPEARANCE OF SAMPLE:	Clear
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/9/05	**16:51**	**16:52**	**1**	**1**	**0.26**	**7.22**	**0.331**	**10**	**13.5**	**2.50**	
3/9/05	**16:52**	**16:53**	**2**	**3**	**0.78**	**7.12**	**0.318**	**10**	**13.6**	**2.24**	
3/9/05	**16:53**	**16:54**	**2**	**5**	**1.30**	**7.09**	**0.307**	**10**	**13.6**	**2.06**	
3/9/05	**16:54**	**16:55**	**2**	**7**	**1.82**	**7.06**	**0.308**	**10**	**13.6**	**1.64**	

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 2**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 6.20

NAPL: n.a.*

NAPL THICKNESS: n.a.*

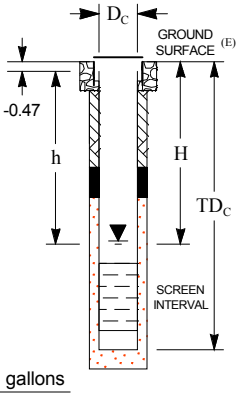
SCREEN DEPTH:

TOP: 15.0

BOTTOM: 20.0

TOTAL DEPTH (TD_C): 20.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 2.18 gallons

DATE OF SAMPLING: 3/9/2005

WEATHER: Clear/Warm

TAGGED WATER LEVELS FROM TOC: 6.2 / 6.2

TAGGED WELL DEPTH FROM TOC: 19.75

PURGE VOLUME (3 CASING VOLUMES): 6.5 gallons

DEPTH TO WATER FOR 80% RECHARGE: 8.87 ft. below TOC

TIME OF SAMPLING: 16:35

DEPTH TO WATER AT TIME OF SAMPLING: 6.30 ft. below TOC

APPEARANCE OF SAMPLE: Clear

LABORATORY: Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUCTIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPERATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/9/05	**16:10**	**16:11**	**1**	**1**	**0.46**	**7.61**	**2.380**	**10**	**15.2**	**0.74**	
3/9/05	**16:11**	**16:12**	**2**	**3**	**1.38**	**7.69**	**2.140**	**10**	**14.9**	**2.60**	
3/9/05	**16:12**	**16:13**	**2**	**5**	**2.30**	**7.89**	**2.100**	**10**	**14.8**	**2.21**	
3/9/05	**16:13**	**16:14**	**2**	**7**	**3.22**	**7.88**	**2.130**	**10**	**14.8**	**2.75**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203316.00.GPJ Date: 7/13/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 3R**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 2.50

NAPL: n.a.*

NAPL THICKNESS: n.a.*

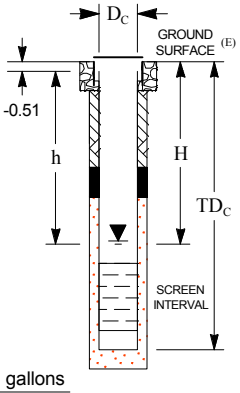
SCREEN DEPTH:

TOP: 3.0

BOTTOM: 13.0

TOTAL DEPTH (TD_C): 13.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 1.63 gallons

DATE OF SAMPLING: 3/9/2005

WEATHER: Clear/warm

TAGGED WATER LEVELS FROM TOC: 2.5 / 2.5

TAGGED WELL DEPTH FROM TOC: 12.74

PURGE VOLUME (3 CASING VOLUMES): 4.9 gallons

DEPTH TO WATER FOR 80% RECHARGE: Sampling criteria not applicable

TIME OF SAMPLING: Not sampled

DEPTH TO WATER AT TIME OF SAMPLING: Not determined

APPEARANCE OF SAMPLE: Not recorded

LABORATORY: Alpha Analytical Laboratory, Inc.

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/7/05	**00:00**										**Not Sampled**

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 4**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP		
BAILER		
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 2.13

NAPL: n.a.*

NAPL THICKNESS: n.a.*

SCREEN DEPTH:

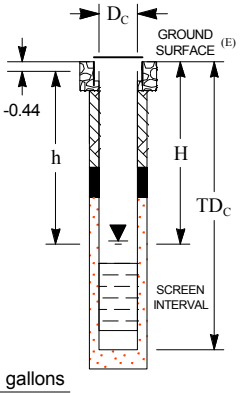
TOP: 3.0

BOTTOM: 10.0

TOTAL DEPTH (TD_C): 10.00

Diameters in (inches) : Depths in (feet)

ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 1.21 gallons



DATE OF SAMPLING:	3/9/2005
WEATHER:	Clear/ warm
TAGGED WATER LEVELS FROM TOC:	2.13 / 2.13
TAGGED WELL DEPTH FROM TOC:	Not recorded
PURGE VOLUME (3 CASING VOLUMES):	3.6 gallons
DEPTH TO WATER FOR 80% RECHARGE:	Sampling criteria not applicable
TIME OF SAMPLING:	Not sampled
DEPTH TO WATER AT TIME OF SAMPLING:	Not determined
APPEARANCE OF SAMPLE:	Not recorded
LABORATORY:	Alpha Analytical Laboratory, Inc.

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME		WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
	BEGIN	FINISH									
3/9/05	**00:00**										**Not Sampled**

Report Form: WELL PURGE RECORD 2 Project ID: 01203316.00.GPJ Date: 7/13/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 5**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP		
BAILER		
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 2.35

NAPL: n.a.*

NAPL THICKNESS: n.a.*

SCREEN DEPTH:

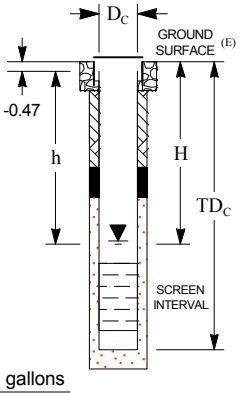
TOP: 3.0

BOTTOM: 10.0

TOTAL DEPTH (TD_C): 10.00

Diameters in (inches) : Depths in (feet)

ONE CASING VOLUME:
[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]: 1.17 gallons



DATE OF SAMPLING:	3/9/2005
WEATHER:	Clear/warm
TAGGED WATER LEVELS FROM TOC:	2.35 / 2.35
TAGGED WELL DEPTH FROM TOC:	Not recorded
PURGE VOLUME (3 CASING VOLUMES):	3.5 gallons
DEPTH TO WATER FOR 80% RECHARGE:	Sampling criteria not applicable
TIME OF SAMPLING:	Not sampled
DEPTH TO WATER AT TIME OF SAMPLING:	Not determined
APPEARANCE OF SAMPLE:	Not recorded
LABORATORY:	Alpha Analytical Laboratory, Inc.

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/9/05	**00:00**										**Not sampled**

Report Form: WELL PURGE RECORD 2 Project ID: 01203316.00.GPJ Date: 7/13/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 6**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 2.56

NAPL: n.a.*

NAPL THICKNESS: n.a.*

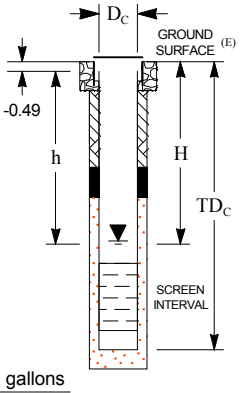
SCREEN DEPTH:

TOP: 3.0

BOTTOM: 10.0

TOTAL DEPTH (TD_C): 10.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 1.13 gallons

DATE OF SAMPLING:	3/9/2005
WEATHER:	Clear/Warm
TAGGED WATER LEVELS FROM TOC:	2.55 / 2.56
TAGGED WELL DEPTH FROM TOC:	8.94
PURGE VOLUME (3 CASING VOLUMES):	3.4 gallons
DEPTH TO WATER FOR 80% RECHARGE:	3.95 ft. below TOC
TIME OF SAMPLING:	16:38
DEPTH TO WATER AT TIME OF SAMPLING:	2.56 ft. below TOC
APPEARANCE OF SAMPLE:	Slightly cloudy
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/9/05	**16:18**	**16:19**	**1**	**1**	**0.88**	**7.63**	**0.345**	**230**	**12.5**	**1.70**	
3/9/05	**16:19**	**16:20**	**2**	**3**	**2.65**	**7.53**	**0.327**	**10**	**12.0**	**1.67**	
3/9/05	**16:20**	**16:21**	**2**	**5**	**4.41**	**7.49**	**0.332**	**10**	**11.9**	**2.50**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203316.00.GPJ Date: 7/13/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 7**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 2.62

NAPL: n.a.*

NAPL THICKNESS: n.a.*

SCREEN DEPTH:

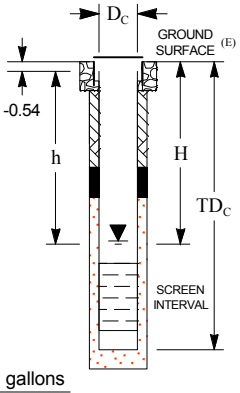
TOP: 3.0

BOTTOM: 10.0

TOTAL DEPTH (TD_C): 10.00

Diameters in (inches) : Depths in (feet)

ONE CASING VOLUME:
[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]: 1.12 gallons



DATE OF SAMPLING:	3/9/2005
WEATHER:	Clear/Warm
TAGGED WATER LEVELS FROM TOC:	2.62 / 2.62
TAGGED WELL DEPTH FROM TOC:	9.62
PURGE VOLUME (3 CASING VOLUMES):	3.3 gallons
DEPTH TO WATER FOR 80% RECHARGE:	3.99 ft. below TOC
TIME OF SAMPLING:	18:15
DEPTH TO WATER AT TIME OF SAMPLING:	2.65 ft. below TOC
APPEARANCE OF SAMPLE:	Clear
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/9/05	**17:45**	**17:46**	**1**	**1**	**0.90**	**7.43**	**0.361**	**198**	**13.2**	**2.14**	
3/9/05	**17:46**	**17:47**	**2**	**3**	**2.69**	**7.39**	**0.315**	**10**	**12.1**	**1.64**	
3/9/05	**17:47**	**17:48**	**2**	**5**	**4.48**	**7.31**	**0.330**	**10**	**11.8**	**1.84**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203316.00.GPJ Date: 7/13/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 8D**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 6.72

NAPL: n.a.*

NAPL THICKNESS: n.a.*

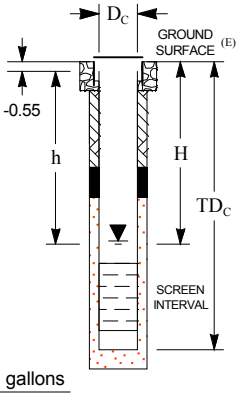
SCREEN DEPTH:

TOP: 15.0

BOTTOM: 20.0

TOTAL DEPTH (TD_C): 20.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 2.08 gallons

DATE OF SAMPLING: 3/9/2005

WEATHER: Clear/Warm

TAGGED WATER LEVELS FROM TOC: 6.72 / 6.72

TAGGED WELL DEPTH FROM TOC: 19.6

PURGE VOLUME (3 CASING VOLUMES): 6.2 gallons

DEPTH TO WATER FOR 80% RECHARGE: 9.27 ft. below TOC

TIME OF SAMPLING: 17:20

DEPTH TO WATER AT TIME OF SAMPLING: 7.10 ft. below TOC

APPEARANCE OF SAMPLE: Slightly cloudy

LABORATORY: Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/9/05	**17:10**	**17:11**	**1**	**1**	**0.48**	**7.59**	**2.010**	**550**	**14.7**	**1.76**	
3/9/05	**17:11**	**17:12**	**2**	**3**	**1.44**	**7.57**	**2.260**	**16**	**14.8**	**2.93**	
3/9/05	**17:12**	**17:13**	**2**	**5**	**2.41**	**7.47**	**2.260**	**10**	**15.0**	**2.60**	
3/9/05	**17:13**	**17:14**	**2**	**7**	**3.37**	**7.44**	**2.270**	**10**	**15.0**	**1.78**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203316.00.GPJ Date: 7/13/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW- 9D**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Schmidbauer Lumber	**01203316.00**	**1099 Waterfront Drive**	**Bruce Taverner**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs; MLE = Meter Limit Exceeded.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 6.75

NAPL: n.a.*

NAPL THICKNESS: n.a.*

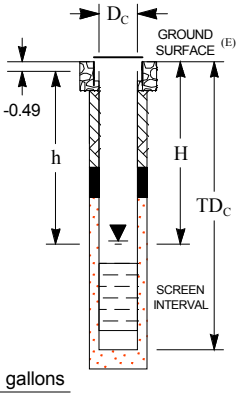
SCREEN DEPTH:

TOP: 15.5

BOTTOM: 20.5

TOTAL DEPTH (TD_C): 20.50

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]: 2.16 gallons

DATE OF SAMPLING:	3/9/2005
WEATHER:	Clear/Warm
TAGGED WATER LEVELS FROM TOC:	6.75 / 6.75
TAGGED WELL DEPTH FROM TOC:	19.85
PURGE VOLUME (3 CASING VOLUMES):	6.5 gallons
DEPTH TO WATER FOR 80% RECHARGE:	9.40 ft. below TOC
TIME OF SAMPLING:	18:00
DEPTH TO WATER AT TIME OF SAMPLING:	7.48 ft. below TOC
APPEARANCE OF SAMPLE:	Clear
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/9/05	**17:30**	**17:31**	**1**	**1**	**0.46**	**7.43**	**2.560**	***MLE**	**14.9**	**2.60**	
3/9/05	**17:31**	**17:32**	**2**	**3**	**1.39**	**7.38**	**2.440**	**140**	**15.0**	**2.75**	
3/9/05	**17:32**	**17:33**	**2**	**5**	**2.31**	**7.36**	**2.410**	**10**	**15.0**	**2.82**	
3/9/05	**17:33**	**17:34**	**2**	**7**	**3.23**	**7.37**	**2.390**	**10**	**15.0**	**2.13**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203316.00.GPJ Date: 7/13/2005